

November 22 - 28, 2003

<P>The Terra spacecraft is in nominal mode, and all five instruments are operating well.</P>

<P>The bimonthly on-orbit calibration sequence for the MISR instrument was executed successfully on November 24, 2003. A small oscillation in motor current continues to be observed for the south calibration panel after the motor reaches its normal stall condition at the end of the calibration sequence. This is the third time in a row that the phenomenon has been observed and although it is not considered to be significant, the current will continue to be monitored.</P>

<P>An error in the Absolute Time Command (ATC) load uplinked on November 25, 2003 (DOY 329),

caused the ASTER instrument to be placed in an incorrect observing mode, necessitating the real-time setting of Inhibit IDs to inhibit specific commands downstream in the load.

Although the root cause is still under investigation and system problems have not been completely ruled out, the error appears to have been the result of incorrect command sequences placed into the load input by the ASTER team. There is no risk to the instrument or serious degradation of data, and the problem was resolved with the next ATC load uplink on the afternoon of November 26. Late Change submissions will not be permitted for ASTER until the root cause of the problem is fully understood.</P>

<P>The Solid State Recorder (SSR) Anomaly Investigation Team will resume meeting during the week of December 1. A successful preliminary Command Authorization meeting (CAM) covering the recycle of the Data Memory Unit (DMU) boards was conducted on November 17, 2003. There is still no firm date in planning for a DMU recycle at this time. The need for a recycle is not critical, but future PWA losses would increase operational challenges as well as the impetus for a decision on conducting the recycle activity.</P>

<P>Terra was not affected by either the Leonid meteor shower or the solar eclipse of November 23. Nominal operations continued throughout both events, although some additional Electrical Power Subsystem (EPS) commanding was performed to accommodate the Solar Array power output drop as a result of the eclipse.</P>

<P><B>Plans:</B>

<BR>

The Flight Operations Team will resume lunar rolls for MODIS calibration in December 2003.

</P>